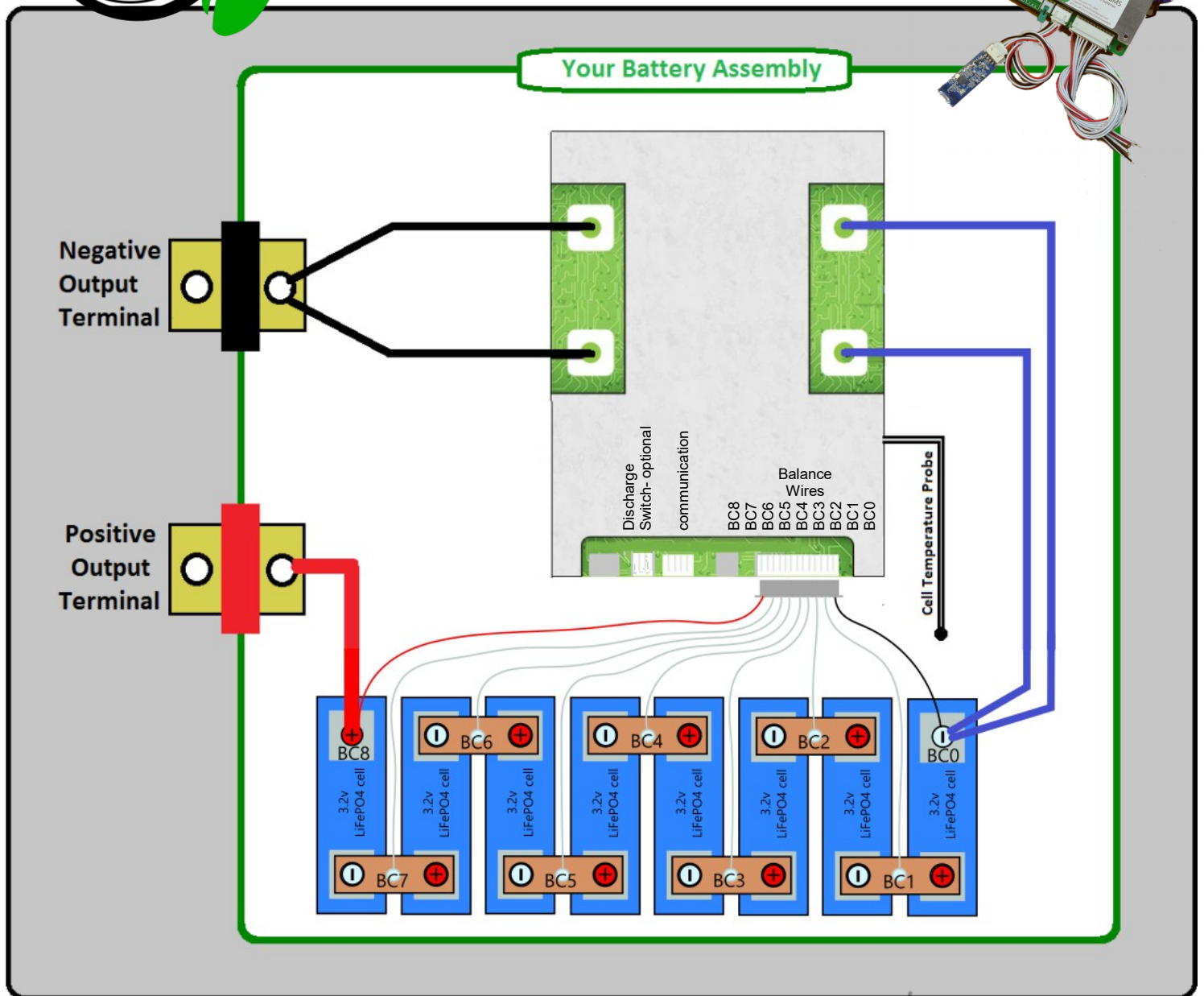
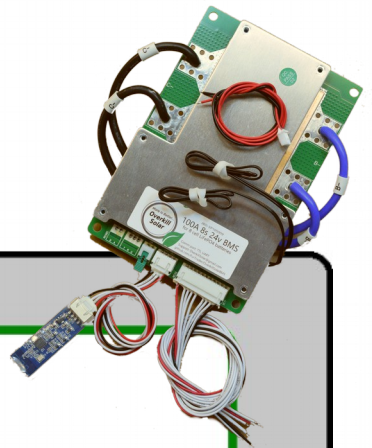




# Battery Management System For 8 cell LiFePO4 Batteries. 100A continuous rated current. Wiring Diagram: (Typical)



The BMS comes programmed for LiFePO4 cells.

All parameters can be adjusted.

Changing the parameters is potentially dangerous, proceed with caution!

To view or change Parameters, there are 3 ways to connect to the BMS.

1. Bluetooth module to IOS app.
2. Bluetooth module to Android app. This application is free.
3. USB module to PC/desktop application. This application is free.

Downloads: [OverkillSolar.com/support-downloads/](http://OverkillSolar.com/support-downloads/)

Email: [Support@OverkillSolar.com](mailto:Support@OverkillSolar.com)

Download link:



**Unlimited Returns:**  
***If you have any problems with this BMS, we will take it back.***

Email:  
Support@OverkillSolar.com  
for tech support or advice.

If you need help I will help.

If it isn't working right I will  
replace it.

**If it's totally fried I will  
refund your money.**

*This includes anything you  
did to break it.*

Enjoy,  
Steve.

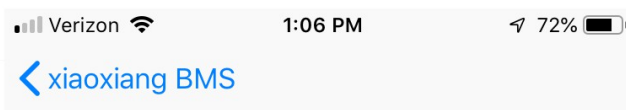
Email:  
Support@OverkillSolar.com

**Please write a  
product review on  
OverkillSolar.com**

Include a photo of  
your finished battery,  
I would love to see it!

## Protection Parameters Explained:

These are the adjustable battery protection settings, as shown in this iPhone screenshot. Notes are in RED



Android and desktop users will find a different layout, but the functions are the same.



First, press "BMS read" to download current settings from the BMS

### Protections

	Trigger Value	Release Value	Delay [s]
Cell over voltage	3650 mV	3500 mV	2
Cell under voltage	2500 mV	3000 mV	2
Batt over voltage	29000 mV	28000 mV	2
Batt under volt.	20000 mV	24000 mV	2
Charge over curr.	110000 mA	32 s	10
Discharge over curr.	110000 mA	32 s	10
Charge over temp	65 °C	55 °C	2
Charge under temp	1 °C	5 °C	2
Discharge over temp	75 °C	70 °C	2
Discharge under temp	-10 °C	0 °C	2

Disconnects charging current if any cell voltage goes over the Trigger value. Reconnects when all cells drop below the Release value.

Cuts off discharging current if any cell voltage goes under the Trigger value. Reconnects when all cells rise above the Release value.

Cuts off charging current if entire pack goes over the Trigger value. Reconnects when pack drops below the Release value.

Cuts off discharging current if entire pack falls under the Trigger value. Reconnects when pack rises above the Release value.

Cuts off charging current if the current exceeds the trigger value, for [delay] seconds. Reconnects after [release value] seconds.

Cuts off discharging current if the current exceeds the trigger value, for [delay] seconds. Reconnects after [release value] seconds.

Cuts off charging current if the probe temperature exceeds the trigger value. Reconnects after temp drops below the release value.

Cuts off charging current if the probe temp drops below the trigger value. Reconnects after probe temp rises above the release value.

Cuts off discharging current if the probe temperature exceeds the trigger value. Reconnects after temp drops below the release value.

Cuts off discharging current if the probe temp drops below the trigger value. Reconnects after probe temp rises above the release value.

